

Fig. 1

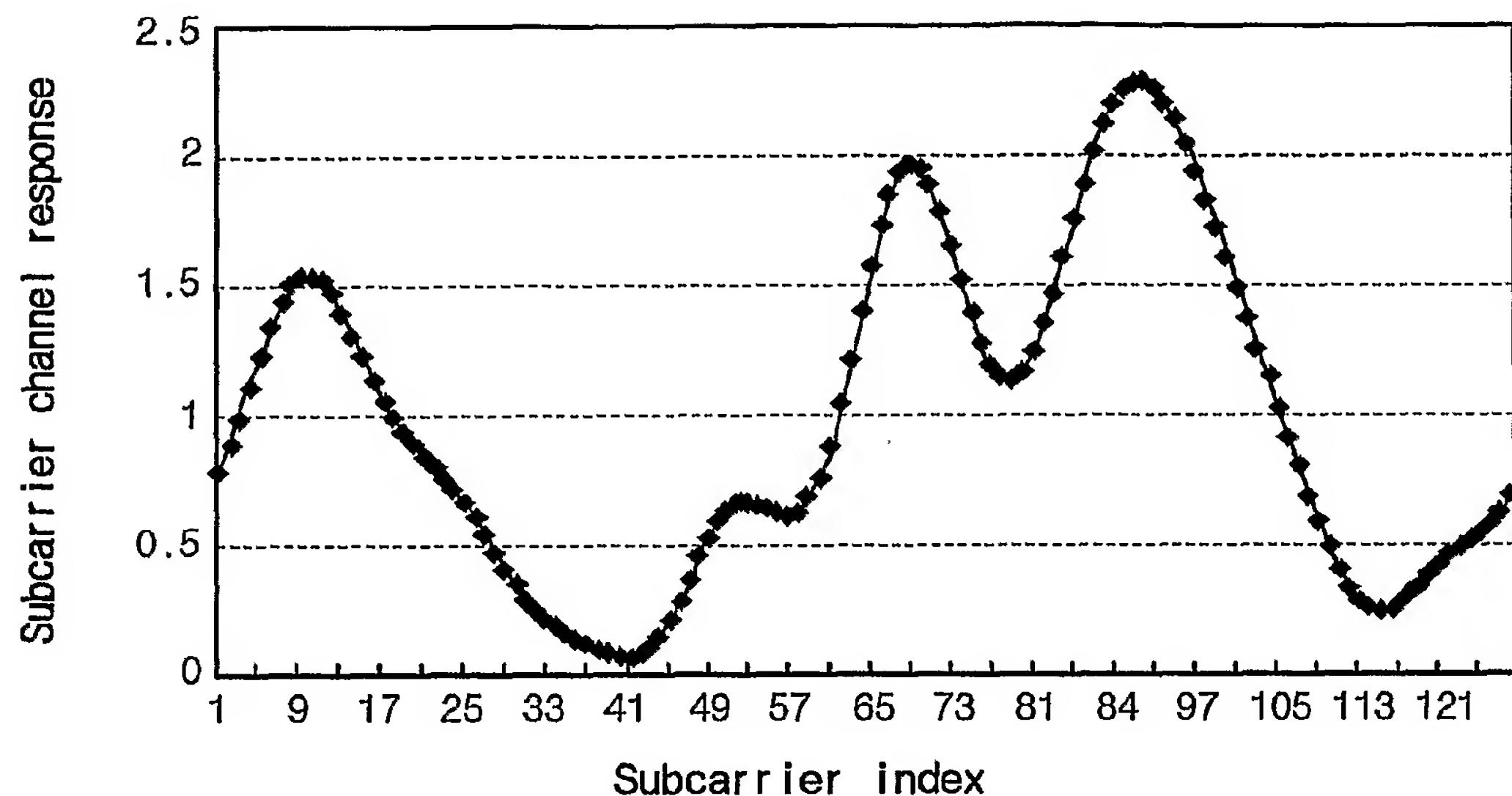


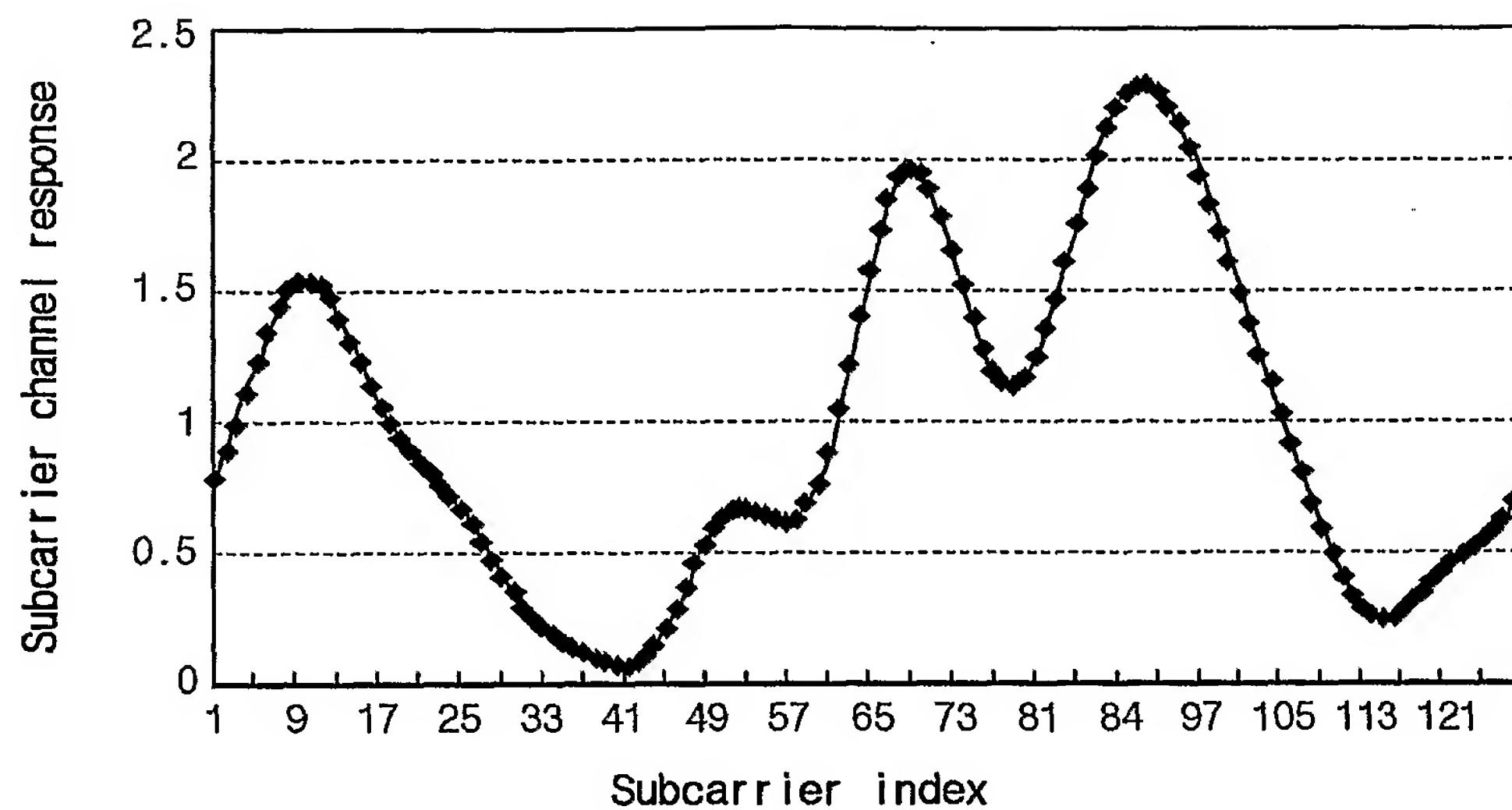
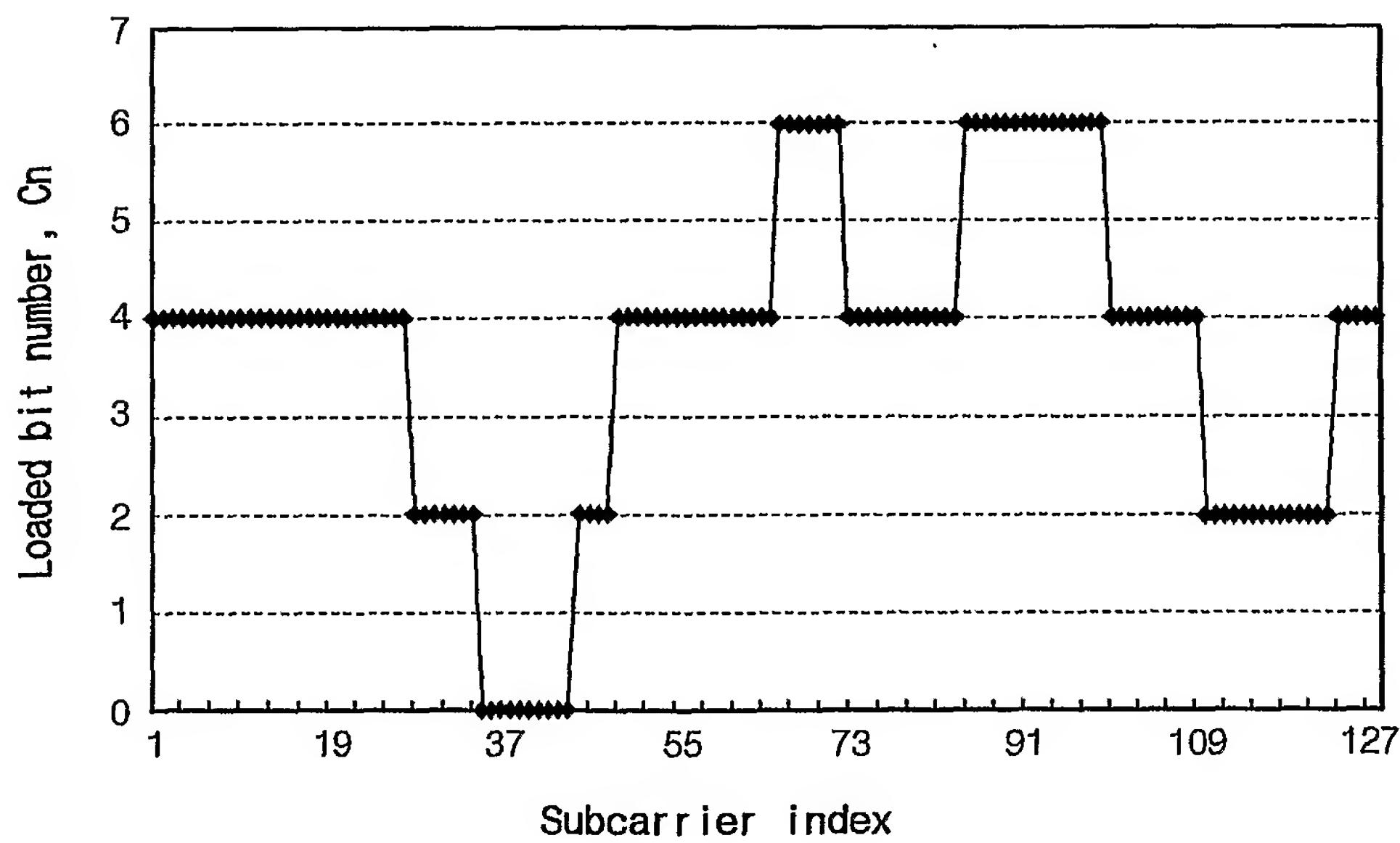
Fig. 2**Fig. 3**

Fig. 4

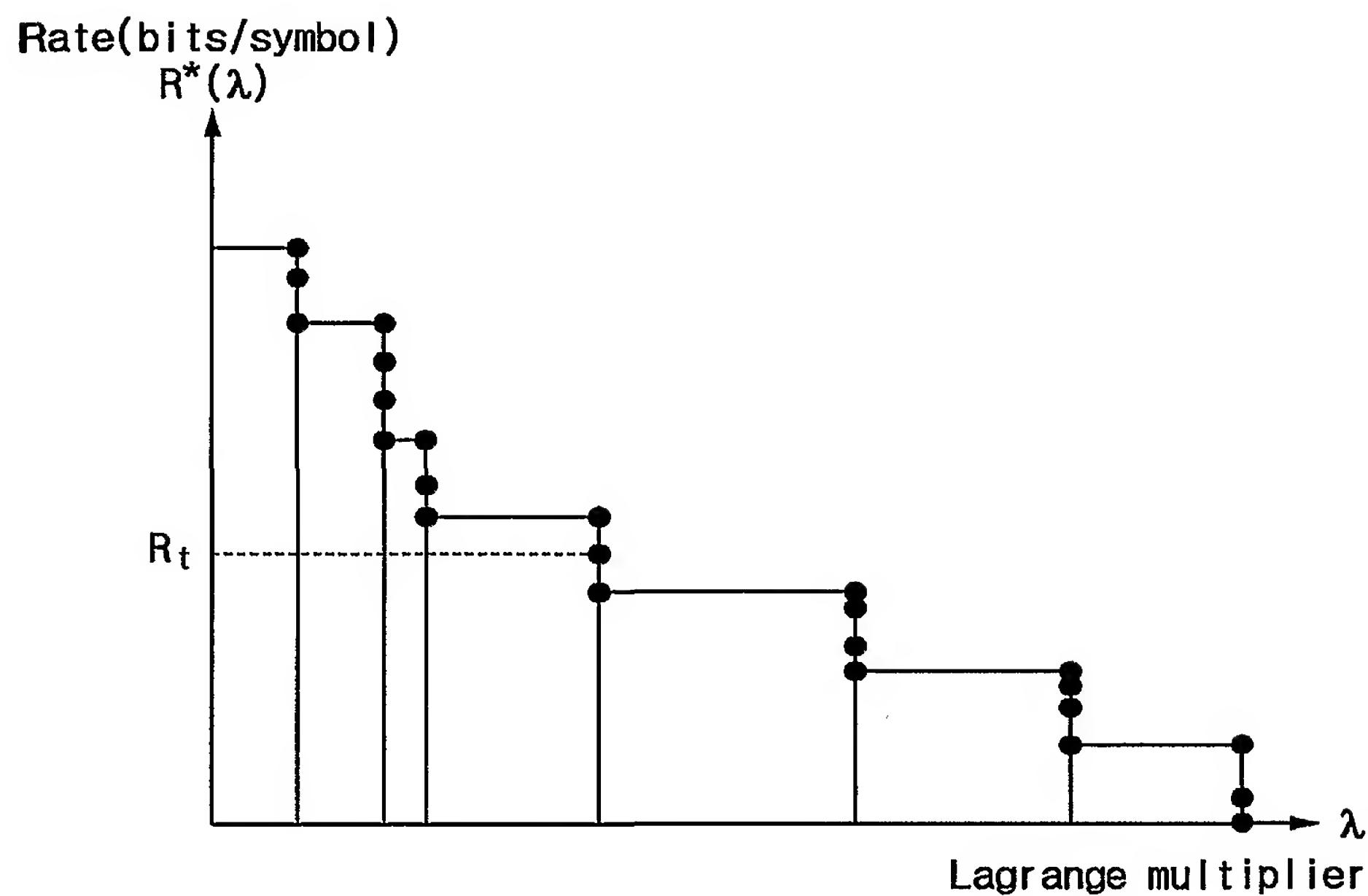


Fig. 5

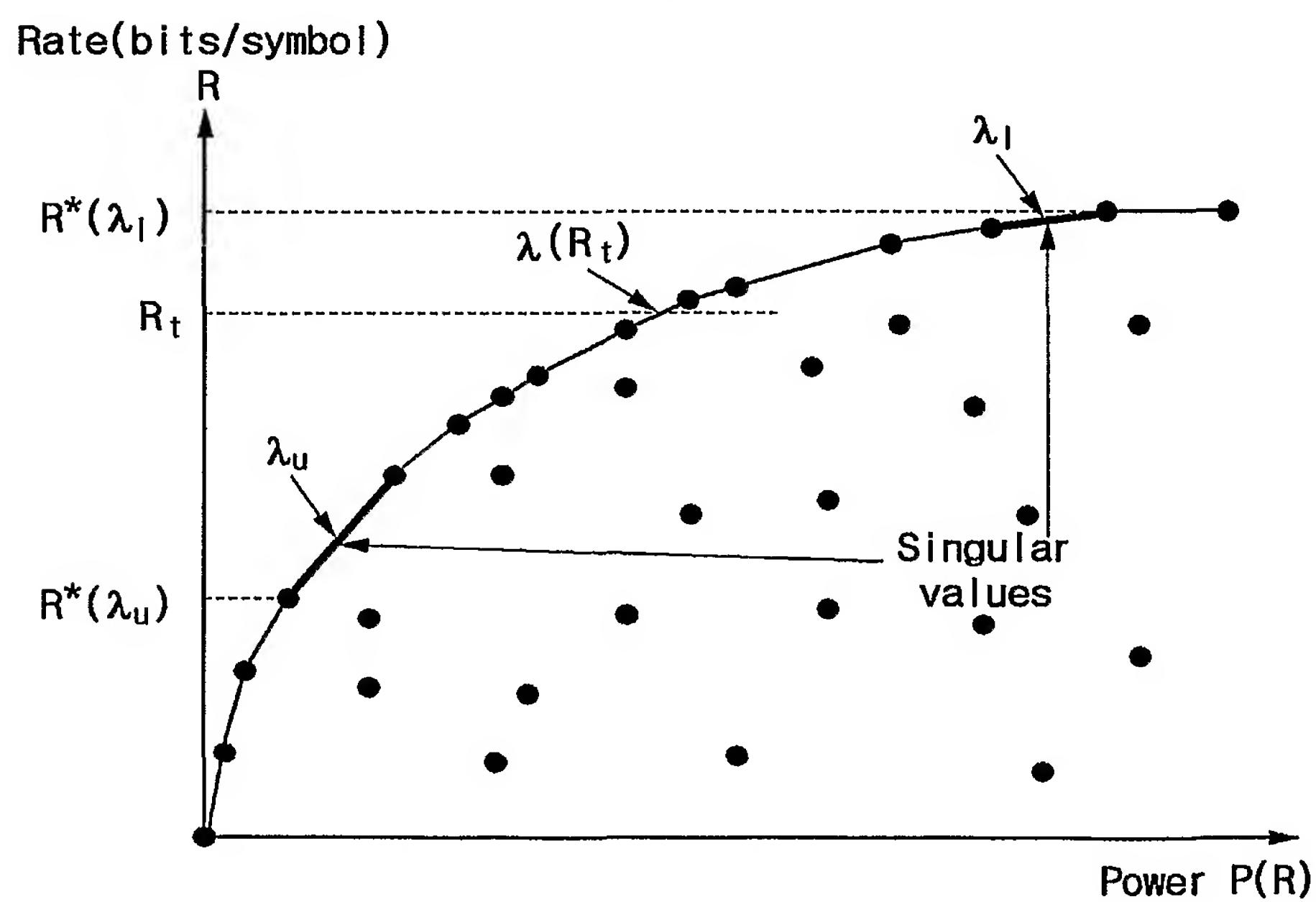
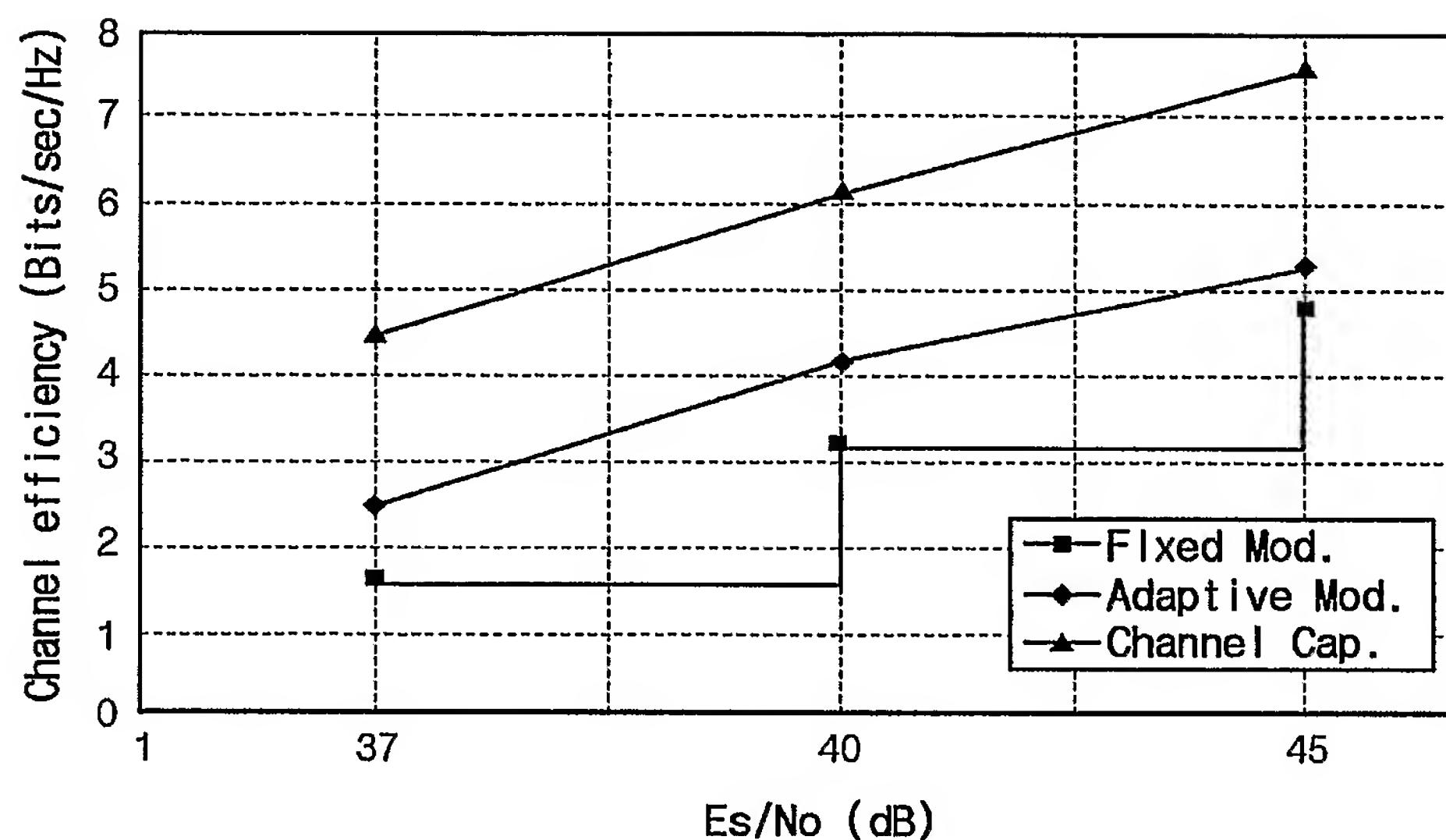


Fig. 6**Fig. 7**

Average repeat number	Greedy algorithm	Shoham algorithm	Krongold algorithm	Present invention
$E_s/N_o = 34\text{dB}$	176.7	59.0	8.18	4.4
$E_s/N_o = 40\text{dB}$	300.0	100.2	32.1	10.1
$E_s/N_o = 45\text{dB}$	381.0	127.0	32.8	10.0